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INDEX TO AMERICAN MYCOLOGICAL LITERATURE

This index is prepared by Dr. B. O. Dodge, of Columbia University, and covers the same scope for the fungi as that covered by the general index published monthly in the Bulletin of the Torrey Botanical Club. It is not reprinted on cards for distribution.

- Broadhurst, J.** A biometrical study of milk streptococci. Jour. Infect. Dis. **10**: 272-284. My 1912.
- Brown, P. E.** Some bacteriological effects of liming. Centralb. Bakt. Zweite Abt. **34**: 148-172. 15 My 1912.
- Chivers, A. H.** Preliminary diagnoses of new species of *Chaetomium*. Proc. Am. Acad. Sci. **48**: 83-88. Jl 1912.
Nine new species are described.
- Claassen, E.** Alphabetical list of lichens collected in several counties of northern Ohio. Ohio Nat. **12**: 543-548. 7 Je 1912.
One hundred and twenty-eight species listed.
- Dodge, B. O.** Artificial cultures of *Ascobolus* and *Aleuria*. Mycologia **4**: 218-222. pl. 72, 73. 13 Jl 1912.
Ascobolus magnificus described as new.
- Dutton, D. L.** Lichen flora of Vermont. Bull. Vermont Bot. Club **7**: 23-25. My 1912.
- Faull, J. H.** The cytology of *Laboulbenia chaetophora* and *L. Gyrinidarum*. Ann. Bot. **26**: 325-355. pl. 37-40. Ap 1912.
- Fawcett, H. S.** The cause of stem-rot of citrus fruits (*Phomopsis citri* n. sp.). Phytopathology **2**: 109-113. pl. 8, 9. Je 1912.
- Fraser, W. P.** Cultures of heteroecious rusts. Mycologia **4**: 175-193. 13 Jl 1912.
The following life histories are worked out for the first time: *Necium Farlowii* Arth., *Pucciniastrum minimum* (Schw.) Arth., *Melampsoropsis Pyrolae* (DC.) Arth., *Uromyces Spartinae* Farl., *Melampsora arctica* Rostr., and *M. (Medusae* Thum.?).
- Giddings, N. J.** A practical and reliable apparatus for culture work at low temperatures. Phytopathology **2**: 106-108. pl. 7. Je 1912.

- Gloyer, W. O.** Apple blister canker and methods of treatment. Ohio Agr. Exp. Sta. Circ. 125: 149-161. 20 My 1912.
- Graves, A. H.** The large leaf spot of chestnut and oak. Mycologia 4: 170-174. pl. 69 + f. 1. 13 Jl 1912.
The leaf spot is caused by *Monochaetia Desmazierii* Sacc.
- Griffon, E., & Maublanc, A.** Les *Microsphaera* des chênes. Bull. Soc. Myc. France 28: 88-104. pl. 3-5. 15 Ap 1912.
Discusses American species found.
- Harter, L. L., & Field, E.** *Diaporthe*, the ascogenous form of sweet potato dry rot. Phytopathology 2: 121-124. f. 1-4. Je 1912.
Includes *Diaporthe batatidis* sp. nov.
- Hewitt, J. L.** Rice blight. Arkansas Agr. Exp. Sta. Bull. 110: 447-459. 1912.
- Hill, A. W.** A visit to the West Indies. Kew Bull. Misc. Inf. 1912: 166-189. My 1912.
Contains some information relating to the fungi and other plants of these islands.
- Howard, B. J.** Decomposition and its microscopical detection in some food products. Yearbook Dept. Agr. 1911: 297-308. pl. 15-19. 1912.
Contains information relating to certain molds and bacteria.
- Massee, G.** Fungi exotici: XIII. Kew Bull. Misc. Inf. 1912: 189-191. My 1912.
Includes *Eutypha gigaspora* Massee from Trinidad.
- McMurran, S. M.** A new internal *Sterigmatocystis* rot of pomegranates. Phytopathology 2: 125, 126. Je 1912.
- Murrill, W. A.** The *Agaricaceae* of the Pacific Coast—I. Mycologia 4: 205-217. 13 Jl 1912.
Includes 13 new species, in *Hydrocybe* (3), *Hygrophorus* (3), *Armillaria* (1), *Limacella* (2), *Geopetalum* (3), and *Crepidopus* (1).
- Murrill, W. A.** Illustrations of fungi—XI. Mycologia 4: 163-169. pl. 68. 13 Jl 1912.
Suillellus luridus (Schaeff.) Murrill, *Collybidium dryophilum* (Bull.) Murrill, *Flammula carbonaria* (Fries) Quél., *Anthurus borealis* Burt., *Mycena vexans* (Peck) Sacc., *Omphalopsis Campanella* (Batsch) Earle, *Naucoria subvelosa*, *Mycena praedecurrens*, *Russula stricta*, and *Marasmius magnisporus* spp. nov. are illustrated and described.
- Orton, C. R.** Correlation between certain species of *Puccinia* and *Uromyces*. Mycologia 4: 194-204. pl. 70, 71. 13 Jl 1912.
Includes *Puccinia uniporula* sp. nov.

- Phillips, F. J., & Mulford, W.** Utah juniper in central Arizona. U. S. Forest Serv. Circ. 197: 3-19. *pl. 1, 2 + f. 1.* 8 Je 1912.
Includes notes on injuries to the trees by *Pyropolyporus texanus*, *Gymnosporangium gracilens*, and *G. nelsoni*.
- Reed, H. S., Cooley, J. S., & Rogers, J. T.** Foliage diseases of the apple. Virginia Polytech. Inst. Agr. Exp. Sta. Bull. 195: 3-23. *f. 1-13.* F 1912.
- Saccardo, P. A.** Notae mycologicae, Series XIV. Ann. Myc. 10: 310-322. 10 Je 1912.
"1. Fungi ex Gallia, Abyssinia, Japonia, Mexico, Canada, Amer. bor. et Centr."
- Includes fifteen new species of fungi from America.
- Sackett, W. G.** Bakteriologische Untersuchungen über die Stickstoffbindung in gewissen Bodenarten von Colorado. Centralb. Bakt. Zweite Abt. 34: 81-115. *f. 1-5.* 15 My 1912.
- Smith, E. F., Brown, N. A., & McCulloch, L.** The structure and development of crown gall: a plant cancer. U. S. Dept. Agr. Plant Ind. Bull. 255: 11-60. *pl. 1-109 + f. 1, 2.* 29 Je 1912.
- Stevens, N. E.** Wood rots of the hardy catalpa. Phytopathology 2: 114-119. *pl. 10.* Je 1912.
- Stewart, R., & Greaves, J. E.** The production and movement of nitric nitrogen in soil. Centralb. Bakt. Zweite Abt. 34: 115-147. *f. 1.* 15 My 1912.
- Taubenhaus, J. J.** Present knowledge of sweet pea diseases and their control. Florists' Exchange 34: 108-110. 20 Jl 1912.
[Illust.]
- Theissen, F.** Die Gattung *Clypeolella* v. Höhn. Centralb. Bakt. Zweite Abt. 34: 229-235. 22 Je 1912.
Includes *Clypeolella Ricini* Rac., *C. Solani* Theiss., and *C. apus* Theiss. spp. nov.